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09/ 960,477

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	42	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	43	Jun 06	PASCAL enhanced with additional data

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NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
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FILE 'HOME' ENTERED AT 13:08:31 ON 18 JUN 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'REGISTRY' ENTERED AT 13:09:47 ON 18 JUN 2003

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STRUCTURE FILE UPDATES: 17 JUN 2003 HIGHEST RN 532924-24-6

DICTIONARY FILE UPDATES: 17 JUN 2003 HIGHEST RN 532924-24-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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Uploading 09960477.str

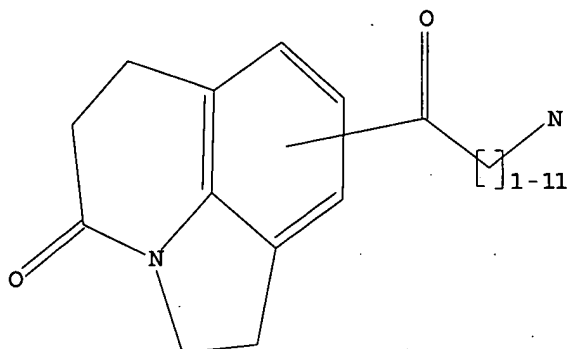
L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

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Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 13:10:06 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 7805 TO ITERATE

100.0% PROCESSED 7805 ITERATIONS  
SEARCH TIME: 00.00.01

24 ANSWERS

L2 24 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.57

FILE 'CAPLUS' ENTERED AT 13:10:13 ON 18 JUN 2003

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FILE COVERS 1907 - 18 Jun 2003 VOL 138 ISS 25  
FILE LAST UPDATED: 17 Jun 2003 (20030617/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

L3 2 L2

=> d l3 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

09/ 960,477

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:747793 CAPLUS

DOCUMENT NUMBER: 135:304054

TITLE: Preparation of galanthamine analogs for pharmaceutical use as acetyl- and butyrylcholinesterase inhibitors

INVENTOR(S): Jordis, Ulrich; Froehlich, Johannes; Treu, Matthias; Hirnschall, Manfred; Czollner, Laszlo; Kaelz, Beate; Welzig, Stefan

PATENT ASSIGNEE(S): Sanochemia Pharmazeutika Aktiengesellschaft, Austria

SOURCE: PCT Int. Appl., 285 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

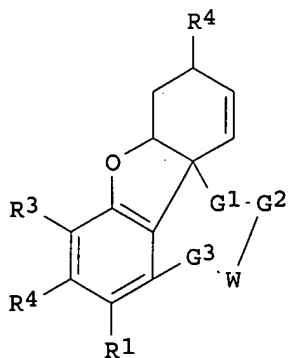
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

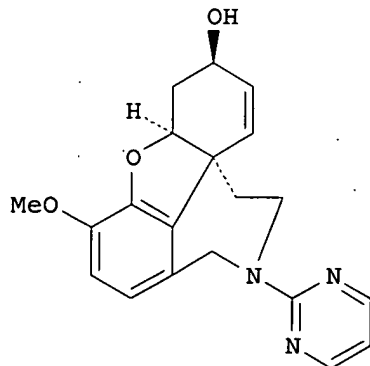
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001074820	A1	20011011	WO 2001-AT82	20010322
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1181294	A1	20020227	EP 2001-914813	20010322
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
BR 2001005563	A	20020402	BR 2001-5563	20010322
BG 106155	A	20020830	BG 2001-106155	20011128
NO 2001005857	A	20020129	NO 2001-5857	20011130
PRIORITY APPLN. INFO.:			AT 2000-546	A 20000331
			AT 2001-238	A 20010215
			WO 2001-AT82	W 20010322

OTHER SOURCE(S): MARPAT 135:304054  
GI



I



II

AB Galanthamine derivs. and analogs, such as I [R1, R2 = H, Cn, OH, SH, NO2, SO3H, PO3H, NH2, halogen, etc.; R3 = OH, OMe; R4 = OH, alkyloxy, alkenyloxy, alkynyloxy, cycloalkyloxy, aryloxy, etc.; G1, G2, G3 = CH2, (CH2)2, (CH2)3, CH(OH), etc.; W = CH2, NR5, etc.; R5 = alkyl, acyl, aryl,

etc.], were prepd. for therapeutic use as acetyl- and butyrylcholinesterase inhibitors. Thus, (+-)-galanthamine deriv. II was prepd. in 80.8% yield by condensation of (+-)-norgalanthamine with 2-chloropyrimidine using NaHCO<sub>3</sub> in EtOH. The prepd. galanthamine derivs. and analogs were tested for acetyl- and butyrylcholinesterase inhibiting activity.

IT 365571-34-2P 365571-94-4P

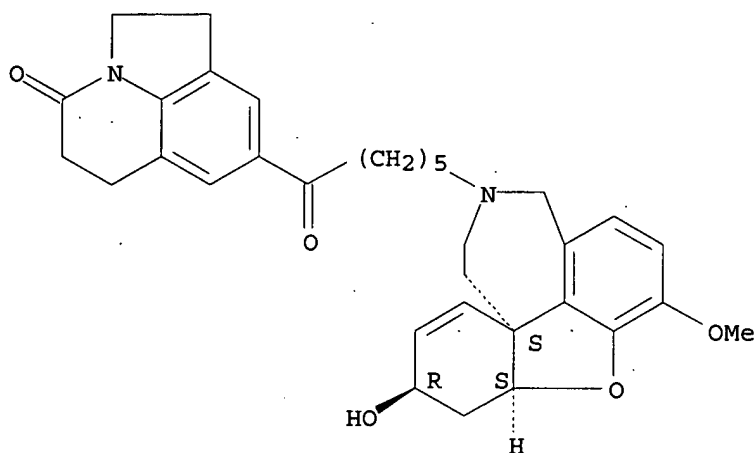
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of galanthamine analogs for pharmaceutical use as acetyl- and butyrylcholinesterase inhibitors)

RN 365571-34-2 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-8-[1-oxo-6-[(4aS,6R,8aS)-4a,5,9,10-tetrahydro-6-hydroxy-3-methoxy-6H-benzofuro[3a,3,2-ef][2]benzazepin-11(12H)-yl]hexyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 365571-94-4 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-8-[1-oxo-6-[(4aS,6R,8aS)-4a,5,9,10-tetrahydro-6-hydroxy-3-methoxy-6H-benzofuro[3a,3,2-ef][2]benzazepin-11(12H)-yl]hexyl]-, (2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

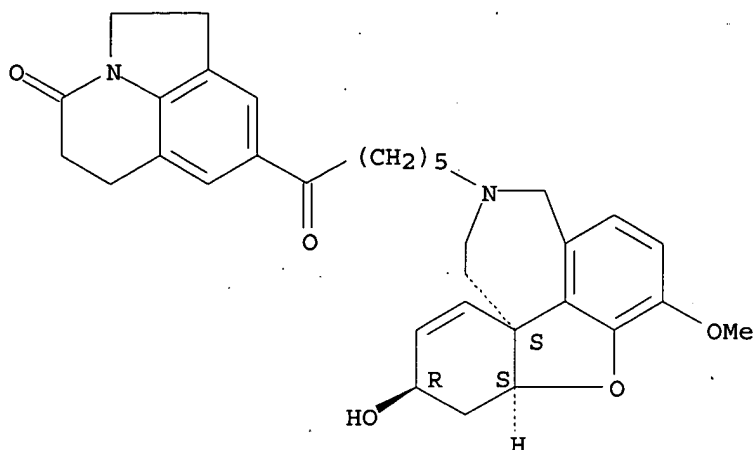
CM 1

CRN 365571-34-2

CMF C33 H38 N2 O5

Absolute stereochemistry.

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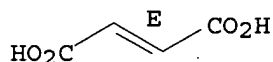


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:579506 CAPLUS

DOCUMENT NUMBER: 121:179506

TITLE: Preparation of heterocyclalkanoyl-tricyclic condensed heterocyclic compounds as psychoanaleptics

INVENTOR(S): Goto, Giichi; Ishihara, Yuji; Hirai, Keisuke

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 126 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

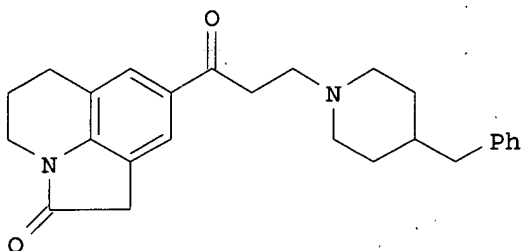
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 607864	A2	19940727	EP 1994-100403	19940113
EP 607864	A3	19941012		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
ZA 9400203	A	19950712	ZA 1994-203	19940112
CA 2113603	AA	19940719	CA 1994-2113603	19940117
NO 9400163	A	19940719	NO 1994-163	19940117
HU 66182	A2	19940928	HU 1994-132	19940117
FI 9400229	A	19941021	FI 1994-229	19940117
CN 1104211	A	19950628	CN 1994-100503	19940117
AU 9453861	A1	19940721	AU 1994-53861	19940118
AU 670981	B2	19960808		
JP 07206854	A2	19950808	JP 1994-3319	19940118
JP 3286056	B2	20020527		

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US 5527800	A	19960618	US 1994-182239	19940118
JP 2002201177	A2	20020716	JP 2001-336391	19940118
US 5686466	A	19971111	US 1996-618796	19960320
PRIORITY APPLN. INFO.:			JP 1993-5535	A 19930118
			JP 1993-173287	A 19930713
			JP 1993-239672	A 19930927
			JP 1993-299827	A 19931130
			JP 1994-3319	A3 19940118
			US 1994-182239	A3 19940118

OTHER SOURCE(S): MARPAT 121:179506  
GI



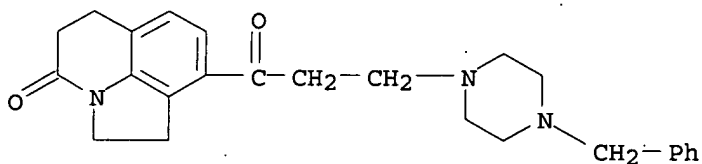
AB RCO(CHR1)nY [R = (un)substituted tricyclic heteroaryl; R1 = H, hydrocarbyl; Y = (un)substituted 4-piperidinyl, 1-piperazinyl, 4-benzyl-1-piperidinyl; n = 2-10] were prepd. as monoamine reuptake and cholinesterase inhibitors. Thus, title compd. I had IC50 of 0.0783 and 0.00879.μM against reuptake of norepinephrine and serotonin by rat synaptosomal membrane prepn. in vitro.

IT 157647-59-1P 157647-62-6P 157647-82-0P  
157647-83-1P 157648-53-8P 157648-54-9P  
157648-55-0P 157648-56-1P 157648-57-2P  
157648-58-3P 157648-63-0P 157648-66-3P  
157648-67-4P 157648-68-5P 157648-69-6P  
157648-70-9P 157648-71-0P 157648-72-1P  
157648-73-2P 157648-98-1P 157648-99-2P  
157649-00-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of, as psychoanaleptic agent)

RN 157647-59-1 CAPLUS

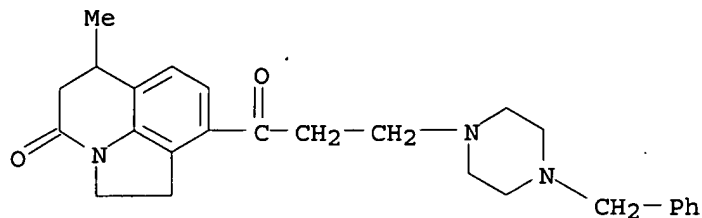
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[1-oxo-3-[4-(phenylmethyl)-1-piperazinyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



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RN 157647-62-6 CAPLUS

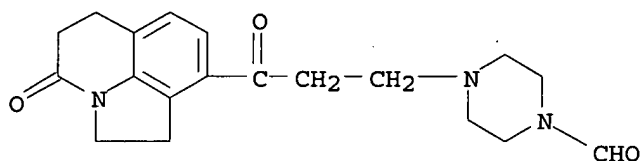
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-6-methyl-9-[1-oxo-3-[4-(phenylmethyl)-1-piperazinyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

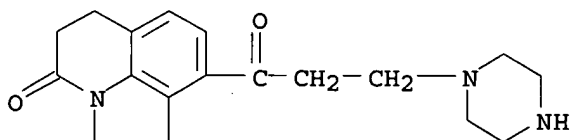
RN 157647-82-0 CAPLUS

CN 1-Piperazinecarboxaldehyde, 4-[3-oxo-3-(1,2,5,6-tetrahydro-4-oxo-4H-pyrrolo[3,2,1-ij]quinolin-9-yl)propyl]- (9CI) (CA INDEX NAME)



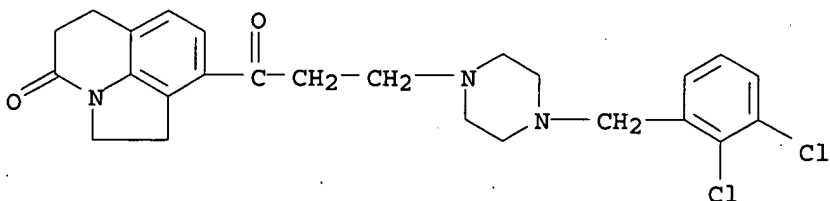
RN 157647-83-1 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[1-oxo-3-(1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



RN 157648-53-8 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-[4-[(2,3-dichlorophenyl)methyl]-1-piperazinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-, dihydrochloride (9CI) (CA INDEX NAME)

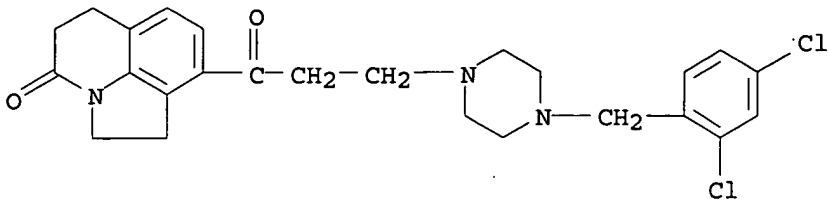


2 HCl

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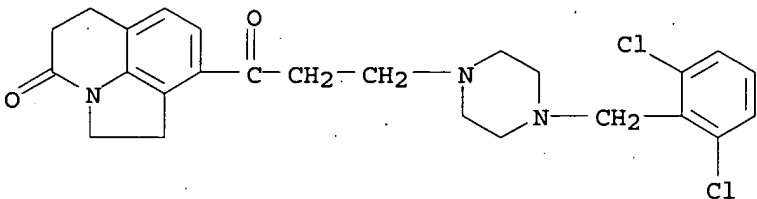
RN 157648-54-9' CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-[4-[(2,4-dichlorophenyl)methyl]-1-piperazinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-, dihydrochloride (9CI) (CA' INDEX NAME)

 $\bullet_2 \text{HCl}$ 

RN 157648-55-0 CAPLUS

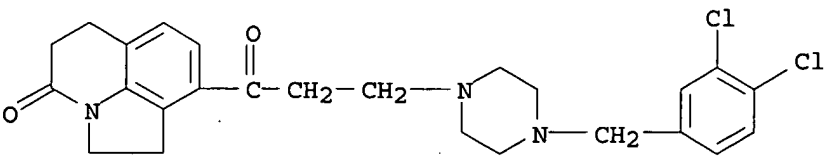
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-[4-[(2,6-dichlorophenyl)methyl]-1-piperazinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 157648-56-1 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-[4-[(3,4-dichlorophenyl)methyl]-1-piperazinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-, dihydrochloride (9CI) (CA INDEX NAME)

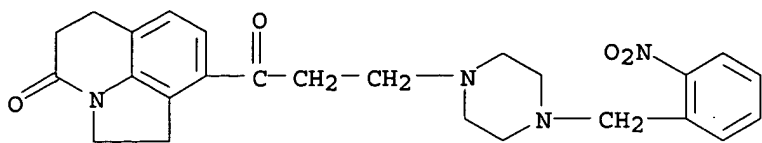


● 2 HCl

RN 157648-57-2 CAPLUS

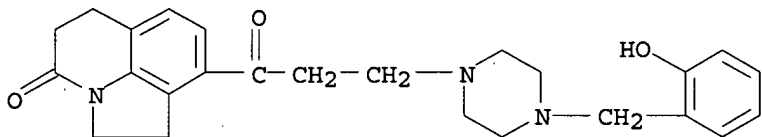
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[3-[4-[(2-nitrophenyl)methyl]-1-piperazinyl]-1-oxopropyl]-, dihydrochloride (9CI)  
(CA INDEX NAME)

09/ 960,477



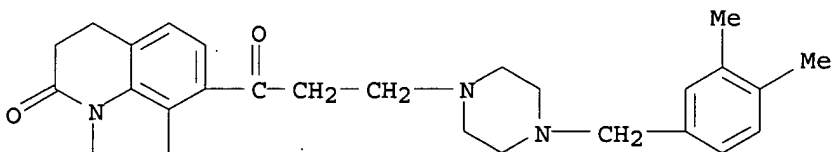
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(CA INDEX NAME)



● 2 HCl

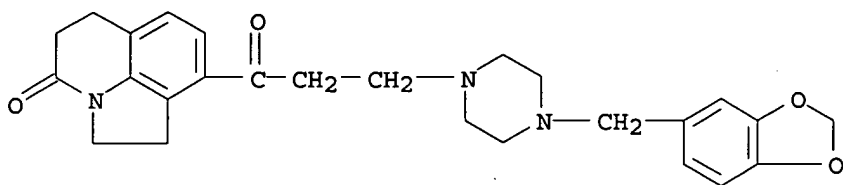
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CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-[4-[(3,4-dimethylphenyl)methyl]-1-piperazinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-, monohydrochloride (9CI)  
(CA INDEX NAME)



● HCl

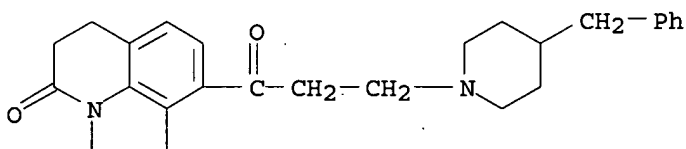
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09/ 960,477



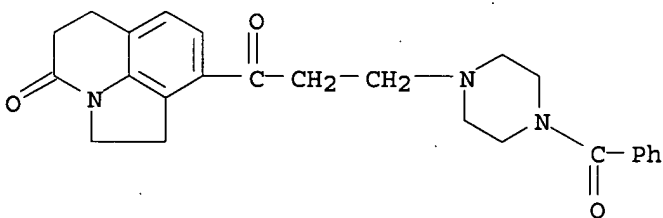
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RN 157648-67-4 CAPLUS  
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[1-oxo-3-[4-(phenylmethoxy)-1-piperidinyl]propyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

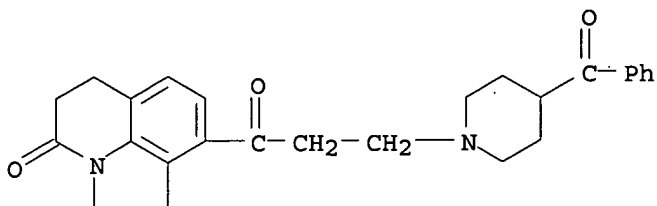
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CN Piperazine, 1-benzoyl-4-[3-oxo-3-(1,2,5,6-tetrahydro-4-oxo-4H-pyrrolo[3,2,1-ij]quinolin-9-yl)propyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

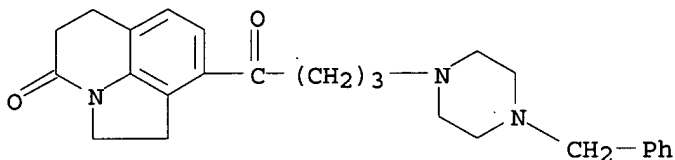
RN 157648-69-6 CAPLUS  
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-(4-benzoyl-1-piperidinyl)-1-oxopropyl]-1,2,5,6-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

09/ 960,477



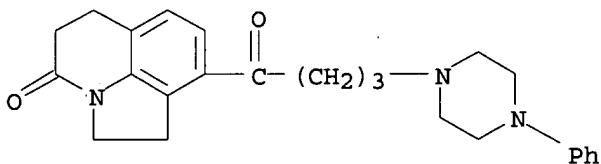
● HCl

RN 157648-70-9 CAPLUS  
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[1-oxo-4-[4-(phenylmethyl)-1-piperazinyl]butyl]-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

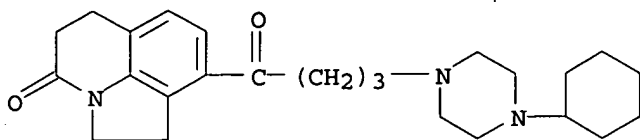
RN 157648-71-0 CAPLUS  
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[1-oxo-4-(4-phenyl-1-piperazinyl)butyl]-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 157648-72-1 CAPLUS  
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[4-(4-cyclohexyl-1-piperazinyl)-1-oxobutyl]-1,2,5,6-tetrahydro-, dihydrochloride (9CI) (CA INDEX NAME)

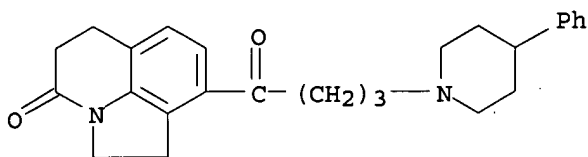
09/ 960,477



● 2 HCl

RN 157648-73-2 CAPLUS

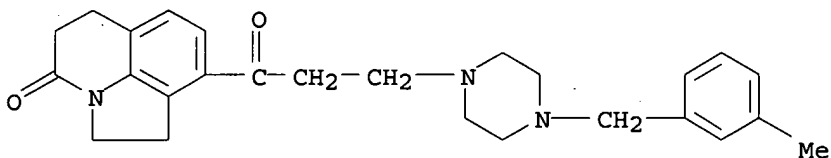
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[1-oxo-4-(4-phenyl-1-piperidinyl)butyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

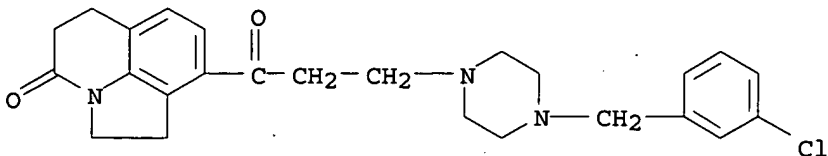
RN 157648-98-1 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[3-[4-[(3-methylphenyl)methyl]-1-piperazinyl]-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 157648-99-2 CAPLUS

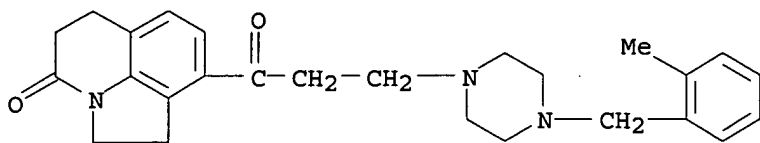
CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 9-[3-[4-[(3-chlorophenyl)methyl]-1-piperazinyl]-1-oxopropyl]-1,2,5,6-tetrahydro- (9CI) (CA INDEX NAME)



RN 157649-00-8 CAPLUS

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 1,2,5,6-tetrahydro-9-[3-[4-[(2-methylphenyl)methyl]-1-piperazinyl]-1-oxopropyl]- (9CI) (CA INDEX NAME)

09/ 960,477



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(FILE 'HOME' ENTERED AT 13:08:31 ON 18 JUN 2003)

FILE 'REGISTRY' ENTERED AT 13:09:47 ON 18 JUN 2003

L1 STRUCTURE UPLOADED

L2 24 S L1 FUL

FILE 'CAPLUS' ENTERED AT 13:10:13 ON 18 JUN 2003

L3 2 S L2

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.49

158.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.30

-1.30

STN INTERNATIONAL LOGOFF AT 13:10:46 ON 18 JUN 2003